

FIG. 1

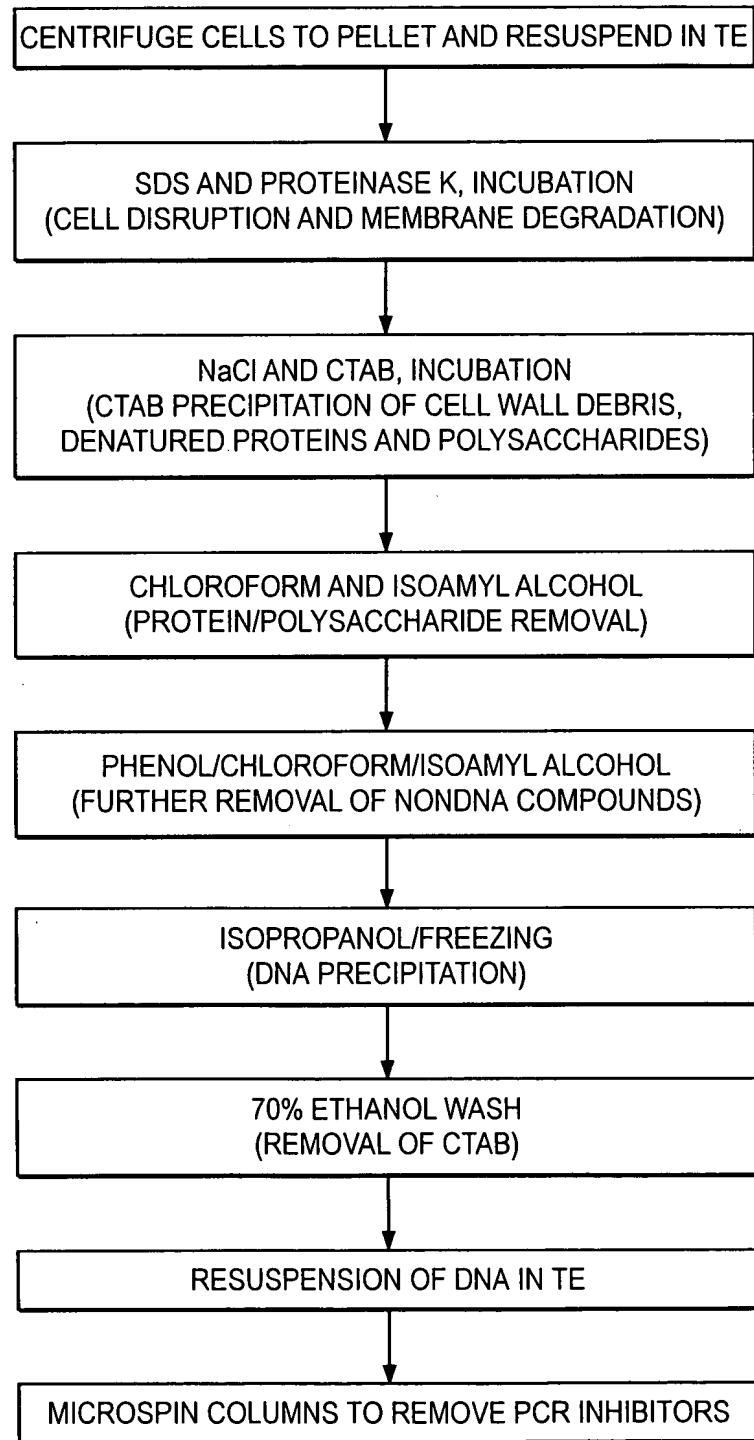
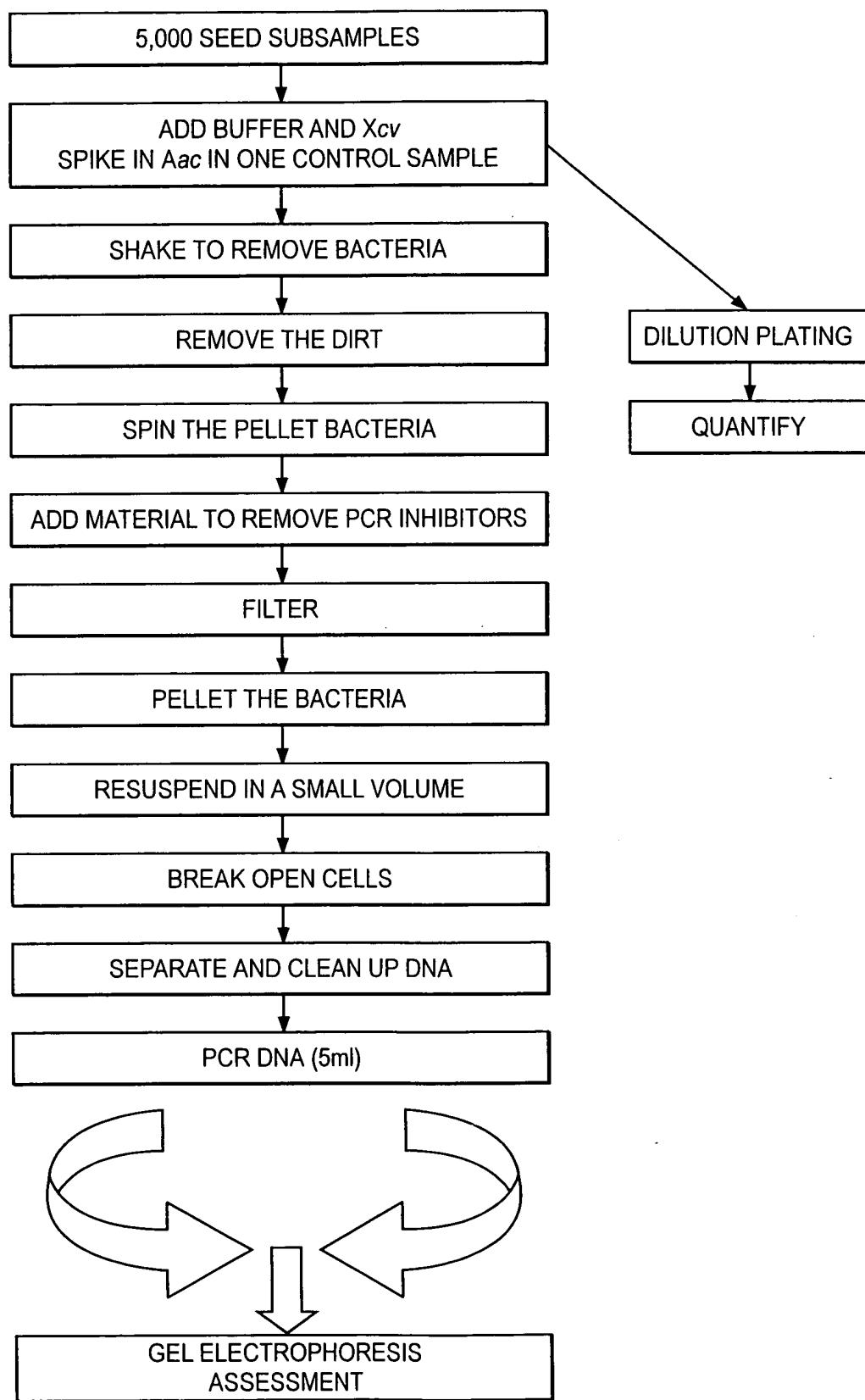


FIG. 2

3/23

FIG. 3a

Bacterial Fruit Blotch

Disease screen assay data sheet
WFB PCR #

Electrophoresis information

Gel Concentration: 2.0% Buffer: 0.5X TBE Amount of agarose used;
Volts: 97 Watts: 8 mAmps: 92 2.5g, 5.0g, 7.0g, other _____
On: 1:45 Off: 3:15 Temp: RT (circle one)

Volume of DNA sample: 5µls Total reaction volume: 50µls

Gel Lane	Aac Result	Xcv Result	Gel Lane	Aac Result	Xcv Result	Gel Lane	Aac Result	Xcv Result
1. 1 Aac Rxns	-		37. 17	+		73. 11		+
2. 1	-		38. 18	+		74. 11		+
3. 2	-		39. 18	+		75. 12		+
4. 2	-		40. 19	-		76. 12		+
5. 3	-		41. 19	-		77. 13		+
6. 3	-		42. 20	+		78. 13		+
7. 4	-		43. 20	+		79. 14		+
8. 4	-		44. H ₂ O	-		80. 14		+
9. 5	-		45. H ₂ O	-		81. 15		+
10. 5	-		46. TE	-		82. 15		+
11. 6	-		47. TE	-		83. 16		+
12. 6	-		48. DNA Hi	+		84. 16		+
13. 7	-		49. DNA Hi	+		85. Ladder		
14. 7	-		50. DNA Low	+		86. N/A		
15. 8	-		51. DNA Low	+		87. 17		+
16. 8	-		52. 1		+	88. 17		+
17. Ladder			53. 1		+	89. 18		+
18. 9	-		54. 2		+	90. 18		+
19. 9	-		55. 2		+	91. 19		+
20. 10	-		55. 3		+	92. 19		+
21. 10	-		57. 3		+	93. 20		-
22. 11	-		58. 4		+	94. 20		-
23. 11	-		59. 4		+	95. H ₂ O		-
24. 12	-		60. 5		+	96. H ₂ O		-
25. 12	-		61. 5		+	97. TE		-
26. 13	-		62. 6		+	98. TE		-
27. 13	-		63. 6		+	99. DNA Hi		+
28. 14	-		64. 7		+	100. DNA Hi		+
29. 14	-		65. 7		+	101. DNA Low		+
30. 15	-		66. 8		+	102. DNA Low		+
31. 15	-		67. 8		+	103.		
32. 16	-		68. Ladder			104.		
33. 16	-		69. 9		+	105.		
34. Ladder			70. 9		+	106.		
35. N/A			71. 10		+			
36. 17	+		72. 10		+			

Note: All samples are tested at a 1:50 dilution of the recovered (stock) DNA. NTC is a No Template Control

BFB-PCR SEED HEALTH TESTING-50RXNS (20 SAMPLES)

PCR #: 975

FIG. 3b

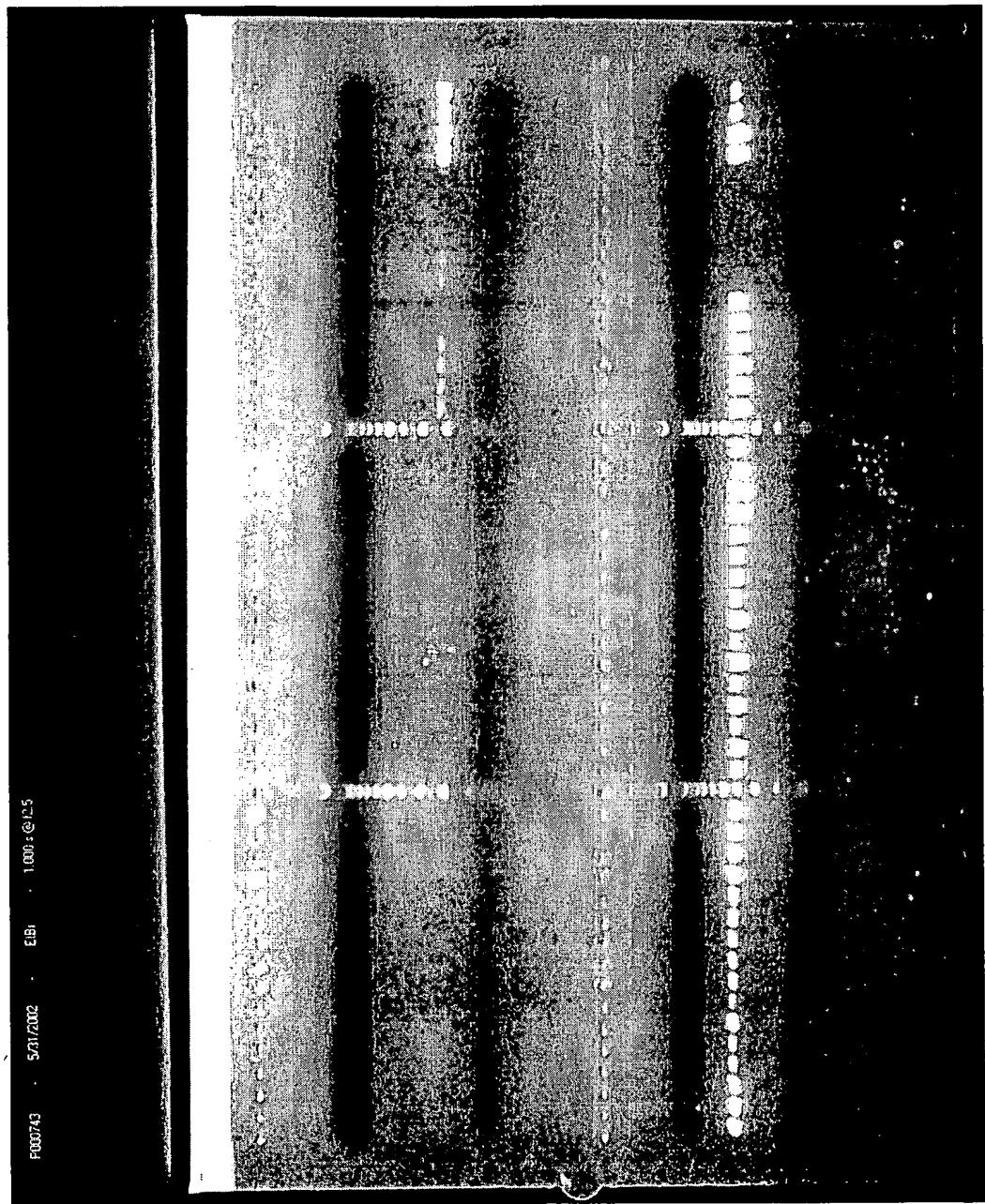
ACIDOVORAX REACTIONS

		1	2	3	4	5	6	7	8	9	10	11	12
A	#1	#1	#9	#9	#17	#17	#1	#1	#9	#9	#17	#17	#17
B	#2	#2	#10	#10	#18	#18	#2	#2	#10	#10	#18	#18	
C	#3	#3	#11	#11	#19	#19	#3	#3	#11	#11	#19	#19	
D	#4	#4	#12	#12	#20	#20	#4	#4	#12	#12	#20	#20	
E	#5	#5	#13	#13	-H ₂ O	-H ₂ O	#5	#5	#13	#13	-H ₂ O	-H ₂ O	
F	#6	#6	#14	#14	-TE	-TE	CONTROL	CONTROL	#6	#6	#14	#14	-TE
G	#7	#7	#15	#15	⊕DNA	⊕DNA	CONTROL	CONTROL	#7	#7	#15	#15	⊕DNA
H	#8	#8	#16	#16	⊕DNA	⊕DNA	CONTROL	CONTROL	#8	#8	#16	#16	⊕DNA

4/23

XANTHOMONAS REACTIONS

FIG. 3C



6/23

FIG. 4a

Bacterial Fruit Blotch

Disease screen assay data sheet

WFB PCR # 980

Electrophoresis information

Gel Concentration: 2.0%

Buffer:0.5X TBE

Amount of agarose used;

Volts: 98

Watts: 8

mAmps: 94

On: 1:30

Off: 3:00

Temp: RT

(circle one)

(circle one)

Volume of DNA sample: 5µls

Total reaction volume: 50 μ l

Gel Lane	Aac Result	Xcv Result	Gel Lane	Aac Result	Xcv Result	Gel Lane	Aac Result	Xcv Result
1. 1 Aac Rxns	-		37. 17	-		73. 11		+
2. 1	-		38. 18	-		74. 11		+
3. 2	-		39. 18	-		75. 12		+
4. 2	-		40. 19	-		76. 12		+
5. 3	-		41. 19	-		77. 13		+
6. 3	-		42. 20	+		78. 13		+
7. 4	-		43. 20	+		79. 14		+
8. 4	-		44. H ₂ O	-		80. 14		+
9. 5	-		45. H ₂ O	-		81. 15		+
10. 5	-		46. TE	-		82. 15		+
11. 6	-		47. TE	-		83. 16		+
12. 6	-		48. DNA Hi	+		84. 16		+
13. 7	-		49. DNA Hi	+		85. Ladder		
14. 7	-		50. DNA Low	+		86. N/A		
15. 8	-		51. DNA Low	+		87. 17		+
16. 8	-		52. 1		+	88. 17		+
17. Ladder			53. 1		+	89. 18		+
18. 9	-		54. 2		+	90. 18		+
19. 9	-		55. 2		+	91. 19		+
20. 10	-		55. 3		+	92. 19		+
21. 10	-		57. 3		+	93. 20		-
22. 11	-		58. 4		+	94. 20		-
23. 11	-		59. 4		+	95. H ₂ O		-
24. 12	-		60. 5		-			
25. 12	-		61. 5		-	96. H ₂ O		-
26. 13	-		62. 6		+			
27. 13	-		63. 6		+	97. TE		-
28. 14	-		64. 7		+	98. TE		-
29. 14	-		65. 7		+	99. DNA Hi		+
30. 15	-		66. 8		+	100. DNA Hi		+
31. 15	-		67. 8		+	101. DNA Low		+
32. 16	-		68. Ladder			102. DNA Low		+
33. 16	-		69. 9		+	103.		
34. Ladder			70. 9		+	104.		
35. N/A			71. 10		+	105.		
36. 17	-		72. 10		+	106.		

Note: All samples are tested at a 1:50 dilution of the recovered (stock) DNA. NTC is a No Template Control

BFB-PCR SEED HEALTH TESTING-50RXNS (20 SAMPLES)

PCR #: 980

FIG. 4b

ACIDOVORAX REACTIONS

XANTHOMONAS REACTIONS

		1	2	3	4	5	6	7	8	9	10	11	12
A	#1	#1	#9	#9	#17	#17	#1	#1	#9	#9	#17	#17	
B	#2	#2	#10	#10	#18	#18	#2	#2	#10	#10	#18	#18	
C	#3	#3	#11	#11	#19	#19	#3	#3	#11	#11	#19	#19	
D	#4	#4	#12	#12	#20	#20	#4	#4	#12	#12	#20	#20	
E	#5	#5	#13	#13	-H ₂ O	-H ₂ O	#5	#5	#13	#13	-H ₂ O	-H ₂ O	
F	#6	#6	#14	#14	-TE	-TE	CONTROL	CONTROL	#6	#6	#14	#14	-TE
G	#7	#7	#15	#15	⊕DNA	⊕DNA	CONTROL	CONTROL	#7	#7	#15	#15	⊕DNA
H	#8	#8	#16	#16	⊕DNA	⊕DNA	CONTROL	CONTROL	#8	#8	#16	#16	⊕DNA

7/23

FIG. 4c

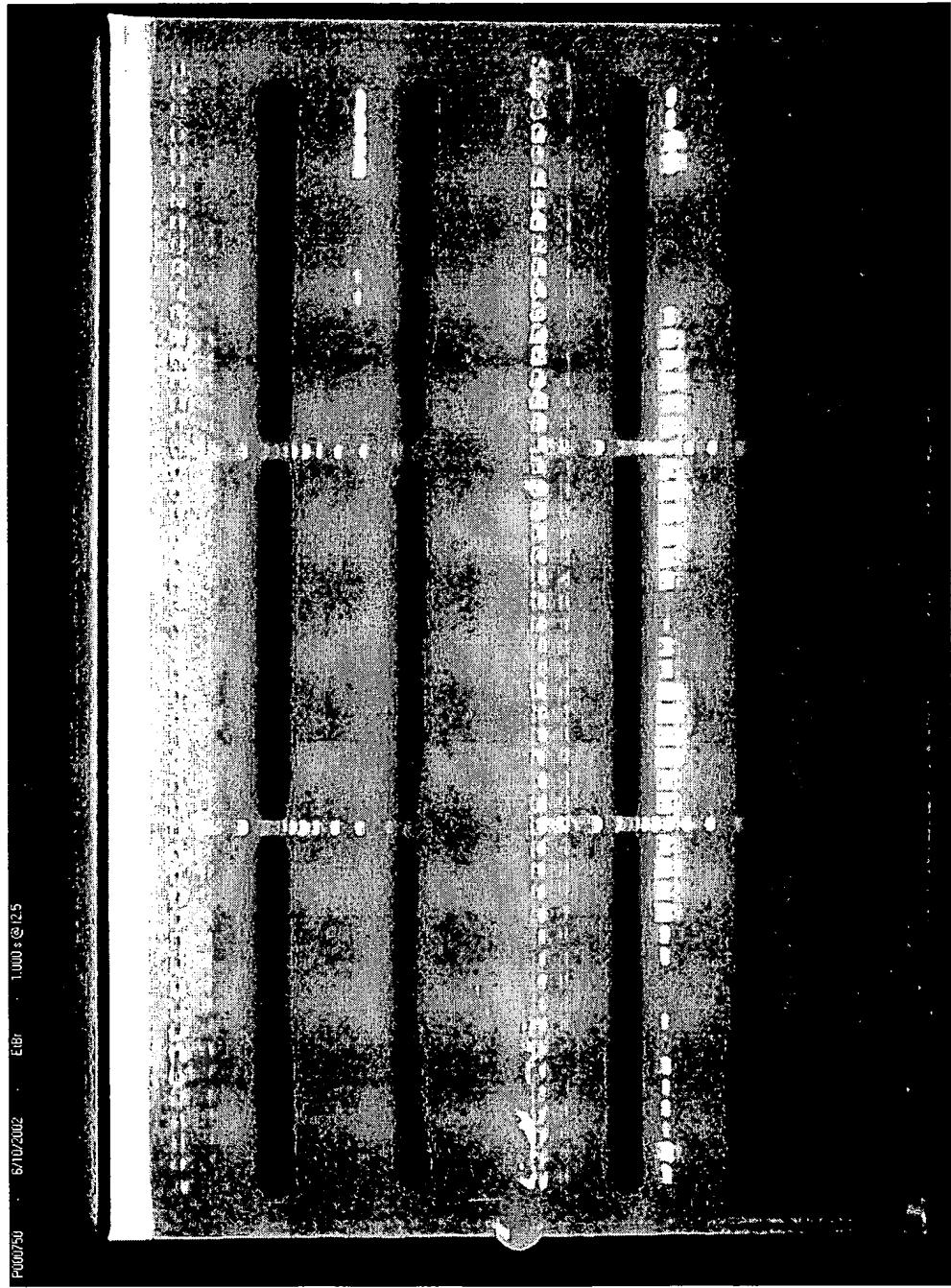


FIG. 5a

Bacterial Fruit Blotch

Disease screen assay data sheet

WFB PCR # 981

Electrophoresis information

Gel Concentration: 2.0%

Buffer:0.5X TBE

Amount of agarose used;

Volts: 98

Volts: 98 Watts: 9 mAmps: 92

2.5g, 5.0g, 7.0g, other

On: 1:30

Volts: 120 Watts: 100 m.amps: 8.33
On: 1:30 Off: 3:00 Temp: RT

(circle one)

Ch. 110 Ch. 110 Temp. 110 (Ch. 110)

Volume of DNA sample: 5µl

Total reaction volume: 50µls

Gel Lane	Aac Result	Xcv Result	Gel Lane	Aac Result	Xcv Result	Gel Lane	Aac Result	Xcv Result
1. 1 Aac Rxns	-		37. 17	-		73. 11		+
2. 1	-		38. 18	-		74. 11		+
3. 2	-		39. 18	-		75. 12		+
4. 2	-		40. 19	-		76. 12		+
5. 3	-		41. 19	-		77. 13		+
6. 3	-		42. 20	+		78. 13		-
7. 4	-		43. 20	+		79. 14		-
8. 4	-		44. H ₂ O	-		80. 14		+
9. 5	-		45. H ₂ O	-		81. 15		+
10. 5	-					82. 15		+
11. 6	-		46. TE	-		83. 16		+
12. 6	-		47. TE	-		84. 16		+
13. 7	-		48. DNA Hi	+		85. Ladder		
14. 7	-		49. DNA Hi	+		86. N/A		
15. 8	-		50. DNA Low	+		87. 17		+
16. 8	-		51. DNA Low	+		88. 17		+
17. Ladder			52. 1		+	89. 18		+
18. 9	-		53. 1		+	90. 18		+
19. 9	-		54. 2		+	91. 19		+
20. 10	-		55. 2		+	92. 19		+
21. 10	-		55. 3		+	93. 20		-
22. 11	-		57. 3		+	94. 20		-
23. 11	-		58. 4		+	95. H ₂ O		-
24. 12	-		59. 4		+			
25. 12	-		60. 5		+	96. H ₂ O		-
26. 13	-		61. 5		+			
27. 13	-		62. 6		+	97. TE		-
28. 14	-		63. 6		+	98. TE		-
29. 14	-		64. 7		+	99. DNA Hi		+
30. 15	-		65. 7		+	100. DNA Hi		+
31. 15	-		66. 8		+	101. DNA Low		+
32. 16	-		67. 8		+	102. DNA Low		+
33. 16	-		68. Ladder			103.		
34. Ladder			69. 9		+	104.		
35. N/A			70. 9		+	105.		
36. 17	-		71. 10		+	106.		
			72. 10		+			

Note: All samples are tested at a 1:50 dilution of the recovered (stock) DNA. NTC is a No Template Control

BFB-PCR SEED HEALTH TESTING-50RXNS (20 SAMPLES)

PCR #: 981

FIG. 5b

ACIDOVORAX REACTIONS

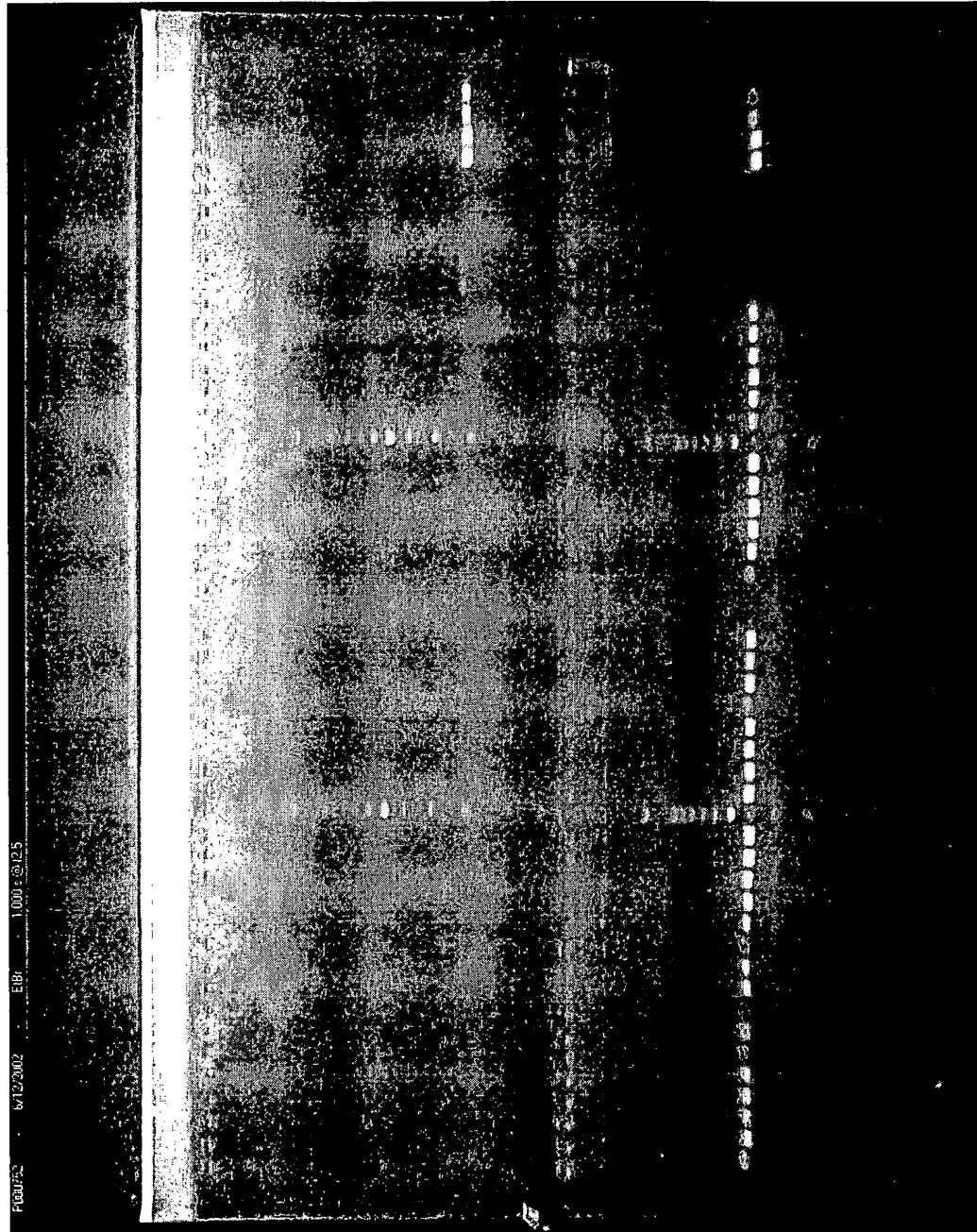
XANTHOMONAS REACTIONS

	1	2	3	4	5	6	7	8	9	10	11	12
A	#1	#1	#9	#9	#17	#17	#1	#1	#9	#9	#17	#17
B	#2	#2	#10	#10	#18	#18	#2	#2	#10	#10	#18	#18
C	#3	#3	#11	#11	#19	#19	#3	#3	#11	#11	#19	#19
D	#4	#4	#12	#12	#20	#20	#4	#4	#12	#12	#20	#20
E	#5	#5	#13	#13	-H ₂ O	-H ₂ O	#5	#5	#13	#13	-H ₂ O	-H ₂ O
F	#6	#6	#14	#14	-TE CONTROL	-TE CONTROL	#6	#6	#14	#14	-TE CONTROL	-TE CONTROL
G	#7	#7	#15	#15	⊕DNA CONTROL Aac	⊕DNA CONTROL Aac	#7	#7	#15	#15	⊕DNA CONTROL Aac	⊕DNA CONTROL Aac
H	#8	#8	#16	#16	⊕DNA CONTROL Aac	⊕DNA CONTROL Aac	#8	#8	#16	#16	⊕DNA CONTROL Aac	⊕DNA CONTROL Aac

10/23

11/23

FIG. 5C



12/23

FIG. 6a

Bacterial Fruit BlotchDisease screen assay data sheet
WFB PCR # 984Electrophoresis informationGel Concentration: 2.0% Buffer: 0.5X TBE Amount of agarose used;
Volts: 100 Watts: 8 mAmps: 98 2.5g, 5.0g, 7.0g, other _____
On: 1:15 Off: 2:45 Temp: RT (circle one)Volume of DNA sample: 5µls Total reaction volume: 50µls

Gel Lane	Aac Result	Xcv Result	Gel Lane	Aac Result	Xcv Result	Gel Lane	Aac Result	Xcv Result
1. 1 Aac Rxns	-		37. 17	-		73. 11	+	
2. 1	-		38. 18	-		74. 11	+	
3. 2	-		39. 18	-		75. 12	+	
4. 2	-		40. 19	-		76. 12	+	
5. 3	-		41. 19	-		77. 13	+	
6. 3	-		42. 20	+		78. 13	+	
7. 4	-		43. 20	+		79. 14	+	
8. 4	-		44. H ₂ O	-		80. 14	+	
9. 5	-		45. H ₂ O	-		81. 15	+	
10. 5	-					82. 15	+	
11. 6	+		46. TE	-		83. 16	+	
12. 6	-		47. TE	-		84. 16	+	
13. 7	-		48. DNA Hi	+		85. Ladder		
14. 7	+		49. DNA Hi	+		86. N/A		
15. 8	-		50. DNA Low	+		87. 17	+	
16. 8	+		51. DNA Low	+		88. 17	+	
17. Ladder			52. 1		+	89. 18	+	
18. 9	-		53. 1		+	90. 18	+	
19. 9	-		54. 2		+	91. 19	+	
20. 10	-		55. 2		+	92. 19	+	
21. 10	-		55. 3		+	93. 20	-	
22. 11	-		57. 3		+	94. 20	-	
23. 11	-		58. 4		+	95. H ₂ O	-	
24. 12	-		59. 4		+	96. H ₂ O	-	
25. 12	-		60. 5		+			
26. 13	-		61. 5		+	97. TE	-	
27. 13	-		62. 6		+	98. TE	-	
28. 14	+		63. 6		+	99. DNA Hi	+	
29. 14	+		64. 7		+	100. DNA Hi	+	
30. 15	+		65. 7		+	101. DNA Low	+	
31. 15	+		66. 8		+	102. DNA Low	+	
32. 16	-		67. 8		+			
33. 16	-		68. Ladder			103.		
34. Ladder			69. 9		+	104.		
35. N/A			70. 9		+	105.		
36. 17	-		71. 10		+	106.		
			72. 10		+			

Note: All samples are tested at a 1:50 dilution of the recovered (stock) DNA. NTC is a No Template Control

Sample#s	1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	13 & 14	15 & 16	17 & 18
Positive			✓	✓			✓	✓	
Negative	✓	✓			✓	✓			✓

BFB-PCR SEED HEALTH TESTING-50RXNS (20 SAMPLES)

PCR #: 984

FIG. 6b

ACIDOVORAX REACTIONS

XANTHOMONAS REACTIONS

	1	2	3	4	5	6	7	8	9	10	11	12
A	#1	#1	#9	#9	#17	#17	#1	#1	#9	#9	#17	#17
B	#2	#2	#10	#10	#18	#18	#2	#2	#10	#10	#18	#18
C	#3	#3	#11	#11	#19	#19	#3	#3	#11	#11	#19	#19
D	#4	#4	#12	#12	#20	#20	#4	#4	#12	#12	#20	#20
E	#5	#5	#13	#13	-H ₂ O	-H ₂ O	#5	#5	#13	#13	-H ₂ O	-H ₂ O
F	#6	#6	#14	#14	-TE CONTROL	-TE CONTROL	#6	#6	#14	#14	-TE CONTROL	-TE CONTROL
G	#7	#7	#15	#15	⊕DNA CONTROL Aac	⊕DNA CONTROL Aac	#7	#7	#15	#15	⊕DNA CONTROL Aac	⊕DNA CONTROL Aac
H	#8	#8	#16	#16	⊕DNA CONTROL Aac	⊕DNA CONTROL Aac	#8	#8	#16	#16	⊕DNA CONTROL Aac	⊕DNA CONTROL Aac

13/23

FIG. 6C

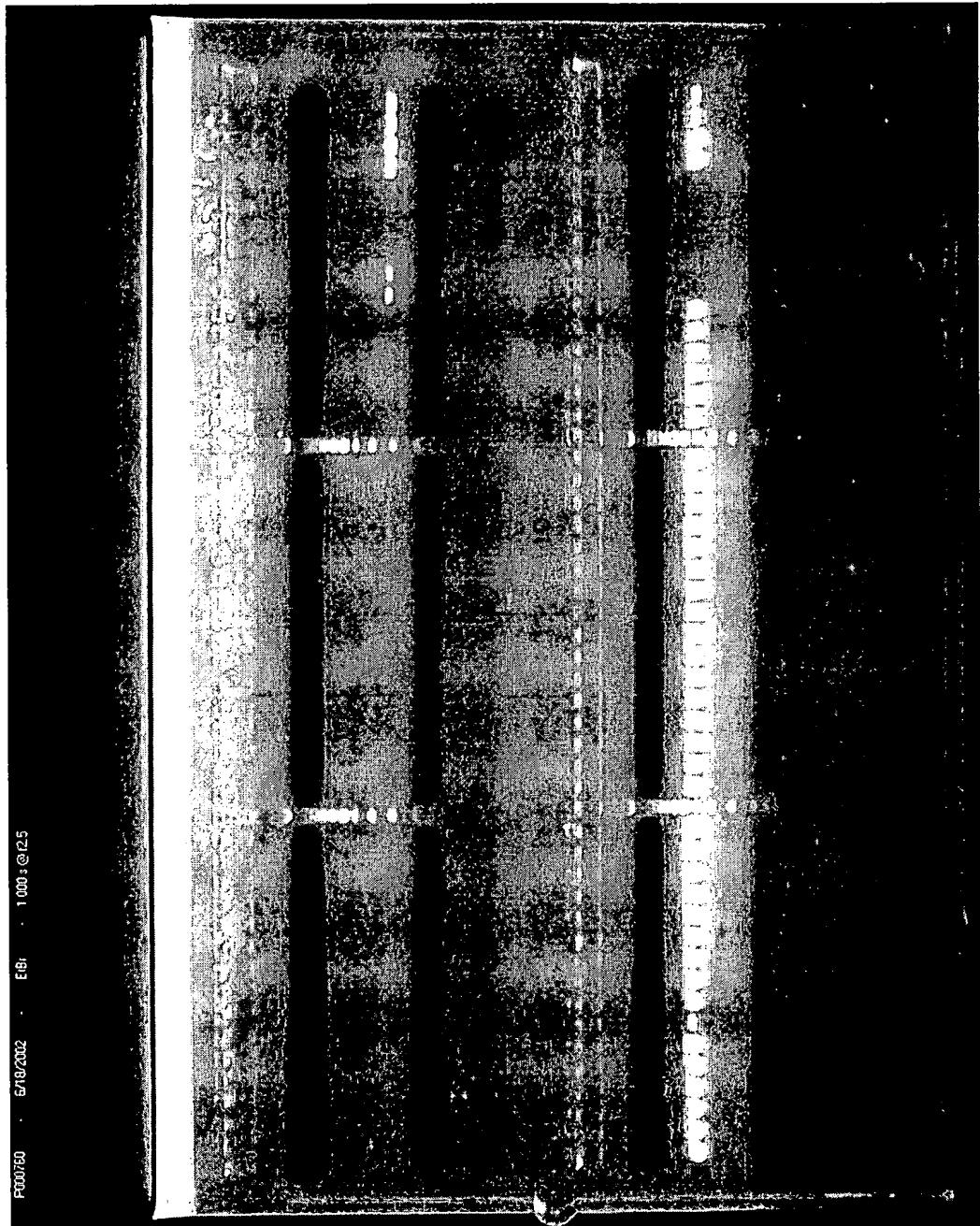


FIG. 7a

Bacterial Fruit Blotch

Disease screen assay data sheet

WFB PCR # 987

Electrophoresis information

Gel Concentration: 2.0% Buffer: 0.5X TBE Amount of agarose used;
 Volts: 100 Watts: 9 mAmps: 98 2.5g, 5.0g, 7.0g, other _____
 On: 2:00 Off: 3:30 Temp: RT (circle one)

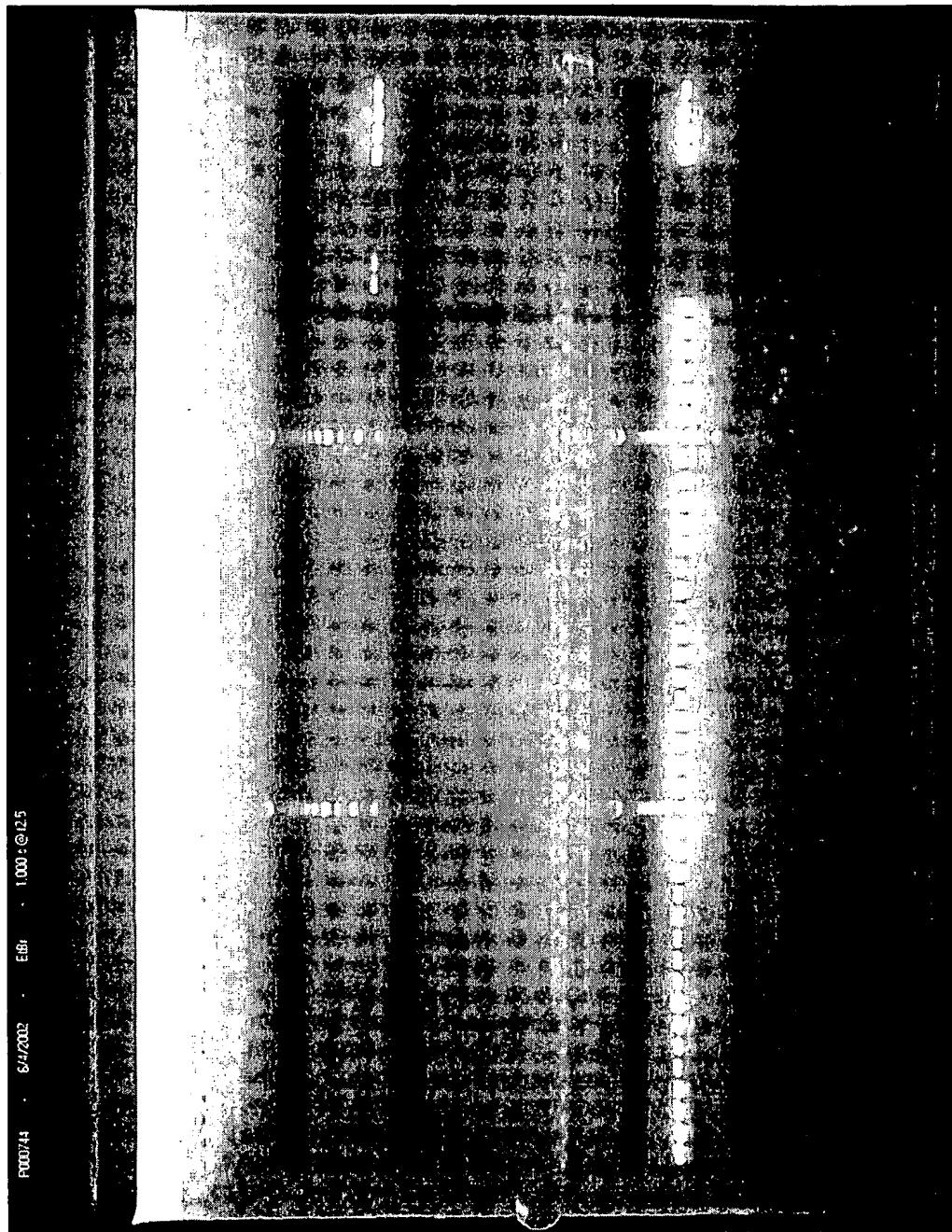
Volume of DNA sample: 5μls Total reaction volume: 50μls

Gel Lane	Aac Result	Xcv Result	Gel Lane	Aac Result	Xcv Result	Gel Lane	Aac Result	Xcv Result
1. 1 Aac Rxns	-		37. 17	+		73. 11		+
2. 1	-		38. 18	+		74. 11		+
3. 2	-		39. 18	+		75. 12		+
4. 2	-		40. 19	-		76. 12		+
5. 3	+		41. 19	-		77. 13		+
6. 3	+		42. 20	+		78. 13		+
7. 4	+		43. 20	+		79. 14		+
8. 4	+		44. H ₂ O	-		80. 14		+
9. 5	+		45. H ₂ O	-		81. 15		+
10. 5	+					82. 15		+
11. 6	+		46. TE	-		83. 16		+
12. 6	+		47. TE	-		84. 16		+
13. 7	-		48. DNA Hi	+		85. Ladder		
14. 7	-		49. DNA Hi	+		86. N/A		
15. 8	-		50. DNA Low	+		87. 17		+
16. 8	-		51. DNA Low	+		88. 17		+
17. Ladder			52. 1		+	89. 18		+
18. 9	-		53. 1		+	90. 18		+
19. 9	-		54. 2		+	91. 19		+
20. 10	-		55. 2		+	92. 19		+
21. 10	-		55. 3		+	93. 20		-
22. 11	+		57. 3		+	94. 20		-
23. 11	+		58. 4		+	95. H ₂ O		-
24. 12	-		59. 4		+			
25. 12	-		60. 5		+	96. H ₂ O		-
26. 13	-		61. 5		+			
27. 13	-		62. 6		+	97. TE		-
28. 14	-		63. 6		+	98. TE		-
29. 14	-		64. 7		+	99. DNA Hi		+
30. 15	+		65. 7		+	100. DNA Hi		+
31. 15	+		66. 8		+	101. DNA Low		+
32. 16	+		67. 8		+	102. DNA Low		+
33. 16	+		68. Ladder			103.		
34. Ladder			69. 9		+	104.		
35. N/A			70. 9		+	105.		
36. 17	+		71. 10		+	106.		
			72. 10		+			

Note: All samples are tested at a 1:50 dilution of the recovered (stock) DNA. NTC is a No Template Control

Sample#s	1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	13 & 14	15 & 16	17 & 18
Positive		✓	✓			✓		✓	✓
Negative	✓			✓	✓		✓		

FIG. 9c



BFB-PCR SEED HEALTH TESTING-50RXNS (20 SAMPLES)

PCR #: 984

ACIDOVORAX REACTIONS

	1	2	3	4	5	6	7	8	9	10	11	12
A	#1	#1	#9	#9	#17	#17	#1	#1	#9	#9	#17	#17
B	#2	#2	#10	#10	#18	#18	#2	#2	#10	#10	#18	#18
C	#3	#3	#11	#11	#19	#19	#3	#3	#11	#11	#19	#19
D	#4	#4	#12	#12	#20	#20	#4	#4	#12	#12	#20	#20
E	#5	#5	#13	#13	-H ₂ O	-H ₂ O	#5	#5	#13	#13	-H ₂ O	-H ₂ O
F	#6	#6	#14	#14	-TE	-TE	#6	#6	#14	#14	-TE	-TE
G	#7	#7	#15	#15	⊕DNA CONTROL Aac	⊕DNA CONTROL Aac	#7	#7	#15	#15	⊕DNA CONTROL Xcv	⊕DNA CONTROL Xcv
H	#8	#8	#16	#16	⊕DNA CONTROL Aac	⊕DNA CONTROL Aac	#8	#8	#16	#16	⊕DNA CONTROL Xcv	⊕DNA CONTROL Xcv

16/23

FIG. 7b

FIG. 7c

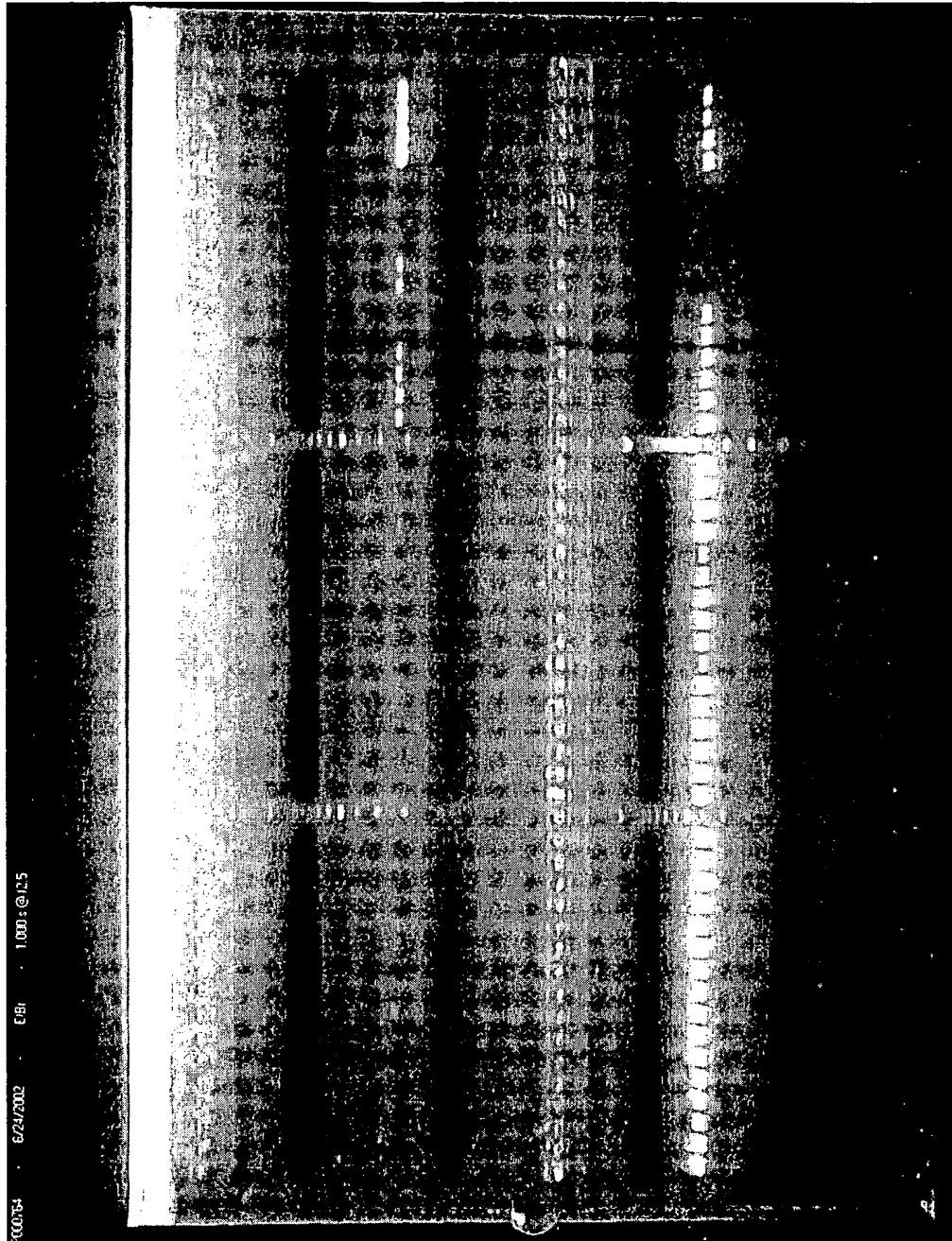


FIG. 8a

Bacterial Fruit Blotch

Disease screen assay data sheet

WFB PCR # 993

Electrophoresis information

Gel Concentration: 2.0% Buffer: 0.5X TBE Amount of agarose used;
 Volts: 130 Watts: 15 mAmps: 117 2.5g, 5.0g, 7.0g, other 12g/600ml
 On: 1:40 Off: 3:00 Temp: RT (circle one) Run gel together with PCR #99

Volume of DNA sample: 5μls Total reaction volume: 50μls

Gel Lane	Aac Result	Xcv Result	Gel Lane	Aac Result	Xcv Result	Gel Lane	Aac Result	Xcv Result
1. 1 Aac Rxns	+		37. 17	-		73. 11		+
2. 1	+		38. 18	-		74. 11		+
3. 2	+		39. 18	-		75. 12		+
4. 2	+		40. 19	-		76. 12		+
5. 3	-		41. 19	-		77. 13		+
6. 3	-		42. 20	+		78. 13		+
7. 4	+		43. 20	+		79. 14		+
8. 4	+		44. H ₂ O	-		80. 14		+
9. 5	+		45. H ₂ O	-		81. 15		+
10. 5	-					82. 15		+
11. 6	+		46. TE	-		83. 16		+
12. 6	+		47. TE	-		84. 16		+
13. 7	+		48. DNA Hi	+		85. Ladder		
14. 7	+		49. DNA Hi	+		86. N/A		
15. 8	-		50. DNA Low	+		87. 17		+
16. 8	+		51. DNA Low	+		88. 17		+
17. Ladder			52. 1		+	89. 18		+
18. 9	-		53. 1		+	90. 18		+
19. 9	-		54. 2		+	91. 19		+
20. 10	-		55. 2		+	92. 19		+
21. 10	-		55. 3		+	93. 20		-
22. 11	-		57. 3		+	94. 20		-
23. 11	-		58. 4		+	95. H ₂ O		-
24. 12	-		59. 4		+	96. H ₂ O		-
25. 12	-		60. 5		+			
26. 13	-		61. 5		+	97. TE		-
27. 13	-		62. 6		+	98. TE		-
28. 14	-		63. 6		+	99. DNA Hi		+
29. 14	-		64. 7		+	100. DNA Hi		+
30. 15	-		65. 7		+	101. DNA Low		+
31. 15	-		66. 8		+	102. DNA Low		+
32. 16	-		67. 8		+			
33. 16	-		68. Ladder			103.		
34. Ladder			69. 9		+	104.		
35. N/A			70. 9		+	105.		
36. 17	-		71. 10		+	106.		
			72. 10		+			

Note: All samples are tested at a 1:50 dilution of the recovered (stock) DNA. NTC is a No Template Control

Sample#s	1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	13 & 14	15 & 16	17 & 18
Positive	✓	✓	✓	✓					
Negative					✓	✓	✓	✓	✓

BFB-PCR SEED HEALTH TESTING-50RXNS (20 SAMPLES)

PCR #: 993

FIG. 8b

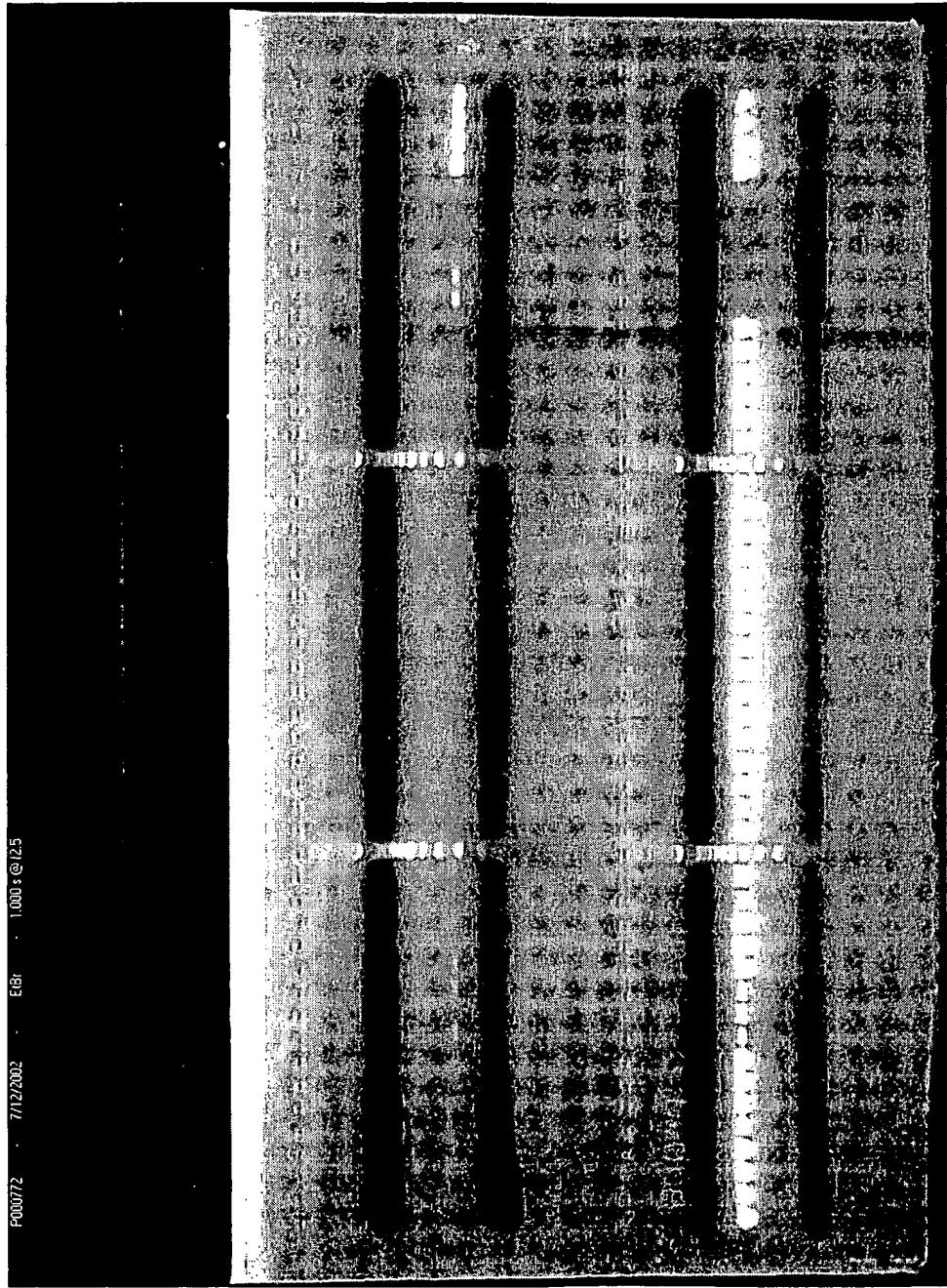
ACIDOVORAX REACTIONS

XANTHOMONAS REACTIONS

	1	2	3	4	5	6	7	8	9	10	11	12	
A	#1	#1	#9	#9	#17	#17	#1	#1	#9	#9	#17	#17	
B	#2	#2	#10	#10	#18	#18	#2	#2	#10	#10	#18	#18	
C	#3	#3	#11	#11	#19	#19	#3	#3	#11	#11	#19	#19	
D	#4	#4	#12	#12	#20	#20	#4	#4	#12	#12	#20	#20	
E	#5	#5	#13	#13	-H ₂ O	-H ₂ O	#5	#5	#13	#13	-H ₂ O	-H ₂ O	
F	#6	#6	#14	#14	-TE CONTROL	-TE CONTROL	#6	#6	#14	#14	-TE CONTROL	-TE CONTROL	
G	#7	#7	#15	#15	⊕DNA CONTROL Aac	⊕DNA CONTROL Aac	#7	#7	#15	#15	⊕DNA CONTROL Xcv	⊕DNA CONTROL Xcv	
H	#8	#8	#16	#16	⊕DNA CONTROL Aac	⊕DNA CONTROL Aac	#8	#8	#16	#16	⊕DNA CONTROL Xcv	⊕DNA CONTROL Xcv	

19/23

FIG. 8c



P00072 7/12/2002 E61 1.000; @25

21/23

FIG. 9a

Bacterial Fruit Blotch

Disease screen assay data sheet

WFB PCR # 976

Electrophoresis information

Gel Concentration: 2.0% Buffer: 0.5X TBE Amount of agarose used;
Volts: 98 Watts: 8 mAmps: 92 2.5g, 5.0g, 7.0g, other _____
On: 1:30 Off: 3:00 Temp: RT (circle one)

Volume of DNA sample: 5µls Total reaction volume: 50µls

Gel Lane	Aac Result	Xcv Result	Gel Lane	Aac Result	Xcv Result	Gel Lane	Aac Result	Xcv Result
1. 1 Aac Rxns	-		37. 17	-		73. 11		+
2. 1	-		38. 18	-		74. 11		+
3. 2	-		39. 18	-		75. 12		+
4. 2	-		40. 19	-		76. 12		+
5. 3	-		41. 19	-		77. 13		+
6. 3	-		42. 20	+		78. 13		+
7. 4	-		43. 20	+		79. 14		+
8. 4	-		44. H ₂ O	-		80. 14		+
9. 5	-		45. H ₂ O	-		81. 15		+
10. 5	-					82. 15		+
11. 6	-		46. TE	-		83. 16		+
12. 6	-		47. TE	-		84. 16		+
13. 7	-		48. DNA Hi	+		85. Ladder		
14. 7	-		49. DNA Hi	+		86. N/A		
15. 8	-		50. DNA Low	+		87. 17		+
16. 8	-		51. DNA Low	+		88. 17		+
17. Ladder			52. 1		+	89. 18		+
18. 9	-		53. 1		+	90. 18		+
19. 9	-		54. 2		+	91. 19		+
20. 10	-		55. 2		+	92. 19		+
21. 10	-		55. 3		+	93. 20		-
22. 11	-		57. 3		+	94. 20		-
23. 11	-		58. 4		+	95. H ₂ O		-
24. 12	-		59. 4		+	96. H ₂ O		-
25. 12	-		60. 5		+			
26. 13	-		61. 5		+	97. TE		-
27. 13	-		62. 6		+	98. TE		-
28. 14	-		63. 6		+			
28. 14	-		64. 7		+	99. DNA Hi		+
29. 14	-		65. 7		+	100. DNA Hi		+
30. 15	-		66. 8		+	101. DNA Low		+
31. 15	-		67. 8		+	102. DNA Low		+
32. 16	-		68. Ladder			103.		
33. 16	-		69. 9		+	104.		
34. Ladder			70. 9		+	105.		
35. N/A			71. 10		+	106.		
36. 17	-		72. 10		+			

Note: All samples are tested at a 1:50 dilution of the recovered (stock) DNA. NTC is a No Template Control

BFB-PCR SEED HEALTH TESTING-50RXNS (20 SAMPLES)

PCR #: 976

FIG. 9b

ACIDOVORAX REACTIONS

XANTHOMONAS REACTIONS

	1	2	3	4	5	6	7	8	9	10	11	12	
A	#1	#1	#9	#9	#17	#17	#1	#1	#9	#9	#17	#17	
B	#2	#2	#10	#10	#18	#18	#2	#2	#10	#10	#18	#18	
C	#3	#3	#11	#11	#19	#19	#3	#3	#11	#11	#19	#19	
D	#4	#4	#12	#12	#20	#20	#4	#4	#12	#12	#20	#20	
E	#5	#5	#13	#13	-H ₂ O	-H ₂ O	#5	#5	#13	#13	-H ₂ O	-H ₂ O	
F	#6	#6	#14	#14	-TE	-TE	#6	#6	#14	#14	-TE	-TE	
G	#7	#7	#15	#15	⊕DNA CONTROL Aac	⊕DNA CONTROL Aac	#7	#7	#15	#15	⊕DNA CONTROL Aac	⊕DNA CONTROL Aac	
H	#8	#8	#16	#16	⊕DNA CONTROL Aac	⊕DNA CONTROL Aac	#8	#8	#16	#16	⊕DNA CONTROL Aac	⊕DNA CONTROL Aac	

22/23